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PROGRESS IN RESEARCH ON KNOWLEDGE DELIVERY

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USC/ISI

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Progress in Research on Knowledge Delivery

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This report describes the progress of the Knowledge Delivery Research project during the contract period ending 31 January 1983.

During the reporting period, the following papers were issued in project reports: [Mann 81, Matthiessen 81, Mann 82]. The first two were presented at a conference of the Association for Computational Linguistics, and the latter has been accepted for publication by the journal *Discourse Processes*.

In addition, research and writing was done which eventually led to creation of the following reports: [Mann & Matthiessen 3.a, Mann 83a].

The first of these is actually a compendium of three technical papers: [Mann 83b, Mann & Matthiessen 3.b, Matthiessen 3.]. All three of these have been accepted for publication in a forthcoming book. For details see the references section below.

The second of these appeared in the proceedings of the 1983 AAAI conference.

Together, these are a very comprehensive representation of the progress of the project. All have been submitted to AFOSR for contract purposes, and to DDC for public availability. For additional detail on the progress of the project, see these reports.

References

- [Mann 81] Mann, W. C., "Two discourse generators," in *The Nineteenth Annual Meeting of the Association for Computational Linguistics*, Sperry Univac, 1981.
- [Mann 82] Mann, W. C., *The Anatomy of a Systemic Choice*, USC/Information Sciences Institute, Marina del Rey, CA, Technical Report RR-82-104, October 1982. To appear in *Discourse Processes*.
- [Mann 83a] Mann, W. C., "An overview of the Penman text generation system," in *Proceedings of the National Conference on Artificial Intelligence*, pp. 261-265, AAAI, August 1983. Also appears as USC/Information Sciences Institute, RR-83-114.

- [Mann 83b] Mann, W. C., "An introduction to the Nigel text generation grammar," in *Nigel: A Systemic Grammar for Text Generation*, USC/Information Sciences Institute, RR-83-105, February 1983. This paper will also appear in a forthcoming volume of the *Advances in Discourse Processes Series*, R. Freedle (ed.): *Systemic Perspectives on Discourse: Selected Theoretical Papers from the 9th International Systemic Workshop* to be published by Ablex.
- [Mann & Matthiessen 3.a] Mann, W. C., and C. M. I. M. Matthiessen, *Nigel: A Systemic Grammar for Text Generation*, USC/Information Sciences Institute, RR-83-105, February 1983. The papers in this report will also appear in a forthcoming volume of the *Advances in Discourse Processes Series*, R. Freedle (ed.): *Systemic Perspectives on Discourse: Selected Theoretical Papers from the 9th International Systemic Workshop*, to be published by Ablex.
- [Mann & Matthiessen 3.b] Mann, W. C., and C. M. I. M. Matthiessen, "A demonstration of the Nigel text generation computer program," in *Nigel: A Systemic Grammar for Text Generation*, USC/Information Sciences Institute, RR-83-105, February 1983. This paper will also appear in a forthcoming volume of the *Advances in Discourse Processes Series*, R. Freedle (ed.): *Systemic Perspectives on Discourse: Selected Theoretical Papers from the 9th International Systemic Workshop* to be published by Ablex.
- [Matthiessen 81] Matthiessen, C. M. I. M., "A grammar and a lexicon for a text-production system," in *The Nineteenth Annual Meeting of the Association for Computational Linguistics*, Sperry Univac, 1981.
- [Matthiessen 3.] Matthiessen, C. M. I. M., "The systemic framework in text generation: Nigel," in *Nigel: A Systemic Grammar for Text Generation*, USC/Information Sciences Institute, RR-83-105, February 1983. This paper will also appear in a forthcoming volume of the *Advances in Discourse Processes Series*, R. Freedle (ed.): *Systemic Perspectives on Discourse: Selected Theoretical Papers from the 9th International Systemic Workshop* to be published by Ablex.